



**Massey University**

# Massey News

Auckland • Palmerston North • Wellington • Extramural

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## Week of celebration and firsts at Auckland

The first graduates from the University's Bachelor of Speech and Language Therapy were among those celebrating in last week's Auckland campus graduation ceremonies.

Friends, family and well-wishers lined Takapuna's Hurstmere Road as the first of nearly 1200 graduates formed a procession to the Bruce Mason Centre, where their degrees were formally conferred.

Like many of the graduates celebrating their achievements at Massey, the 12 Speech and Language graduates have all quickly found jobs in their field and converged for the occasion from workplaces all over Auckland.

The four-year Bachelor of Speech and Language Therapy was established at the Auckland campus by the College of Education to meet a widely recognised need for therapists. It is the only degree programme of its kind in the North Island.

For the University's Auckland School of Design, it was the

second graduation and this year 16 Bachelors of Design degrees were conferred compared with just six last year.

Seven ceremonies were held in Auckland, marking the start of the University's graduation season, which continues in Palmerston North and Wellington next month. It is also the largest for the College of Business. There were also special ceremonies for Pacific Island and Māori graduates.

Pictured: Speech and Language Therapy graduates marked their day in education history with a party at Takapuna Beach. From left: Anneke Batelaan, Megan Bell, Elizabeth Brown, Amelia Joy, Donna Littlewood, Michelle Nash, Polly Newton, Kathleen O'Neill, Mary-Anne Oosthuysen, Maree Smith, Hannah Stewart, Cara Weightman.

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"Wings" recipients Matthew Harkness, Olivia Hollingum, Philip Thorne, Boris Drzymala, Fabian Wong and Andrev Petrovich.

## Massey 'natural fit' to skill modern professional pilots

Modern pilots require attitudes, training, skills and discipline that go far beyond the ability to fly a plane and providing those is "a natural fit" for large tertiary institutions like Massey, says Mount Cook Airline's flight operations manager Dale Webb.

Captain Webb was guest speaker at the School of Aviation's presentation of "wings" to 10 students last week, signifying the completion of their professional training and qualification as commercial pilots.

Matthew Harkness received the Air BP Academic Award and Massey University Outstanding Student Award, Philip Thorne received the Massey University School of Aviation Air New Zealand Flying Award, Boris Drzymala received the Feildair Systems Award, Andrev Petrovich received the Craig Merryweather Memorial Scholarship, and Fabian Wong received the Air BP Scholarship – ATP Award.

Four of the qualifying students were overseas: Tse Wei Khoo, who also received the Palmerston North Airport Ltd Professional Attributes Award, Devan Purushotamadas, Petrus Sternegard and Gavin Wood.

Captain Webb said there is a growing worldwide demand for pilots despite expanding technology that might indicate a future with less need for people

to operate planes. That demand was being driven by huge growth in orders for new aircraft in countries such as China and India, Captain Webb said. "It is no longer a means of transport for the rich; now virtually everyone flies."

And as technology increased and the value of the passenger jets along with it, the range of skills required of a pilot was increasing, which meant a growing role for university training in all aspects of aviation management.

"The tasks and activities of an airline pilot that have already evolved markedly will continue to change and change significantly.

"During the course of your careers you will see the introduction of aircraft with adequate range to fly between any two points on earth – that's nearly possible now; fuels that are not derived solely from oil – the United States Air Force is experimenting with biofuel; synthetic vision such that operation in fog, snow or at night is no different to a perfectly fine day; and, I have no doubt, many other developments that have not yet become apparent."

Those advances would require people equipped with skills "way beyond" those of the traditional pilot.

"Today my captains at Mount Cook still fly their aircraft but I see

them in wider view...they manage and control a capital asset worth \$25 million, directly lead a crew of four and are supported by dozens of other essential members of the team.

"Those numbers are multiplied several times over in the biggest aircraft in the industry and in terms of capital employed make a long haul jet captain the controller of more capital – over \$200 million – than most businesses in the country. "Every industry needs a continuing input of well qualified and enthusiastic new entrants and it is generally accepted that one of the functions of the universities is to supply those people for the professions such as law, accounting, medicine, etc.

"The legal, medical, financial and other professions now exist very synergistically with the relevant university departments, aviation far less so. Like the materials, technology and processes I mentioned earlier, that will change."

He hoped the School of Aviation would use the new flight simulator Mount Cook will put into service in another four months.

"Participate in our advanced training and give both of us the synergies other industries now take for granted. It seems so logical and at least some of that will happen, and soon."



# Taking nature's cue for cheaper solar power

Solar cell technology developed by the University's Nanomaterials Research Centre will enable New Zealanders to generate electricity from sunlight at a tenth of the cost of current silicon-based photo-electric solar cells.

Dr Wayne Campbell and researchers in the centre have developed a range of coloured dyes for use in dye-sensitised solar cells.

The synthetic dyes are made from simple organic compounds closely related to those found in nature. The green dye Dr Campbell is holding is synthetic chlorophyll derived from the light-harvesting pigment plants use for photosynthesis.

Other dyes being tested in the cells are based on haemoglobin, the compound that gives blood its colour.

Dr Campbell says that unlike the silicon-based solar cells currently on the market, the 10x10cm green demonstration cells generate enough electricity to run a small fan in low-light conditions – making them ideal for cloudy weather. The dyes can also be incorporated into tinted windows that trap light to generate electricity.

He says the green solar cells are more environmentally friendly than silicon-based cells as they are made from titanium dioxide – a plentiful, renewable and non-toxic white mineral obtained from New Zealand's black sand. Titanium dioxide is already used in consumer products such as toothpaste, white paint and cosmetics.

"The refining of pure silicon, although a very abundant mineral, is energy-hungry and very expensive. And whereas silicon cells need direct sunlight to operate efficiently, these cells will work efficiently in low, diffuse light conditions," Dr Campbell says.

"The expected cost is one tenth of the price of a silicon-based solar panel, making them more attractive and accessible to home-owners."

The Centre's new director, Professor Ashton Partridge, says they now have the most efficient porphyrin dye in the world and aim to optimise and improve the cell construction and performance before developing the cells commercially.

"The next step is to take these dyes and incorporate them into roofing materials or wall panels. We have had many expressions of interest from New Zealand companies," Professor Partridge says.

He says the ultimate aim of using nanotechnology to develop a better solar cell is to convert as much sunlight to electricity as possible.

"The energy that reaches earth from sunlight in one hour is more than that used by all human activities in one year."

The solar cells are the product of more than 10 years research funded by the Foundation for Research, Science and Technology.



Dr Wayne Campbell.

## Virtual Careers Fair a NZ first

Massey students and graduates are invited to register for the first web-based careers fair run by a New Zealand tertiary institution.

The Virtual Careers Fair will run for two days from May 1 and will offer web-based access to recruitment and vacancy information from potential employers – through links to employers' websites and short presentations.

Participants will be able to "chat" in real-time with Massey's careers staff and other students and graduates. They will also be able to create an on-line profile to outline their skills, knowledge and experience and the type of work they seek.

John Ross, an extramural career consultant at the Palmerston North campus, says more than 20 organisations have booked to participate and others are expected to join them.

Mr Ross says the fair is a particularly good opportunity for Massey's extramural students and recent graduates who cannot attend campus-based career expos. All participating

employers anticipate having job vacancies now or within the next year and are keen to attract applications from Massey students and graduates.

The virtual fair will coincide with the Palmerston North campus annual Careers Fair in the Students' Centre, from 11am to 3pm on 1 and 2 May. Representatives from national and regional companies will be present to recruit and interview Massey students and discuss career options.

Organiser Nicola Stone says the fair provides a perfect opportunity for students and employers to meet. "This time of the year is when many employers are running intense recruitment campaigns. Now is the time to meet with organisations to find out how to apply for a position and what it is like to work for them."

The fair is an informal event that allows students to interact with employers, ask questions, and take away handouts. Some employers will also offer information sessions

after the events.

The following 38 organisations have registered to attend: AgResearch, AgriQuality, ANZ Bank, ASB, Ballance Agri-Nutrients, Child. Youth & Family, College of Education, Contact Energy, Department of Corrections, EDS (New Zealand), ESR, Fisher & Paykel Appliances, Fisher & Paykel Healthcare, Fonterra, Hewlett Packard, Interger, Kiwiplan, Landcorp Farming, Lion Nathan, Macro Automation, Ministry of Economic Development, New Zealand Pharmaceuticals, New Zealand Racing Board, NZ Army, NZICA, Palmerston North City Council, PPCS, Provoke Solutions Ltd, Ravensdown, Royal NZ Air Force, State Services Commission, Statistics New Zealand, Summit-Quinphos, TeachNZ, The National Bank, The National Bank (Rural), and United Water.

For more information visit: <http://virtualcarefair.massey.ac.nz>, or email John Ross: [j.a.Ross@massey.ac.nz](mailto:j.a.Ross@massey.ac.nz)

## \$6.9 million for social research projects

Two Massey projects have received more than \$6.9 million from the Foundation for Research, Science and Technology, and focus on improving future living standards and work opportunities for New Zealanders.

A project led by Dr Fiona Alpass in the School of Psychology at the Palmerston North campus will receive \$750,000 a year for five years for a longitudinal study which examines factors required for "positive ageing" and older people's contribution to society. The research is in partnership with the New Zealand Family Centre and in collaboration with the New Zealand Institute for Research on Ageing, bringing together some of New Zealand's top researchers on the effects of ageing.

A second Massey study led by Professor Paul Spoonley at the Auckland campus will receive \$625,580 a year for five years for research aimed at improving the economic integration of immigrants and their families into the workforce and into business.

The joint project involves Waikato University researchers and will focus on how well immigrants' skills are being used, and how they go about finding work and setting up businesses.

A total of five projects were funded by the Foundation. Details of the other projects can be found at: <http://www.frst.govt.nz/research>

## Appointment for engineering professor

Professor Bob Hodgson, Director of the School of Engineering and Technology, has been appointed as a trustee for the Institution of Professional Engineers New Zealand's Foundation.

The institution is the professional body representing professional engineers, and the foundation is a charitable trust with a public-good role on behalf of the engineering profession.

Its objectives include: encouraging school leavers into tertiary education in engineering and technology; educating New Zealanders on the role of technology and engineering in sustainable economic, environmental and social development, and educating New Zealanders on significant engineering and technological achievements.

Professor Hodgson's areas of research include applied digital image processing, technology transfer, systems reliability engineering, and remote sensing and scanning systems.

## Developing skills to tackle contemporary health issues

From advising rural Māori about the hazards of smoking eels in chemically contaminated sawdust to checking the safety of drinking water in remote rural areas – Chris Webber has had a wealth of experience in the field since he graduated from Massey with a Graduate Diploma in Environmental Health in 1999.

The 40-year-old Rotorua father of four says that 100 years ago, it was expected Māori would die out due to contact with infectious diseases introduced by non-Māori, such as influenza and tuberculosis. While those dire predictions never came to pass, Mr Webber (Ngāti Toarangatira, Te Ati Awa, Ngāti Raukawa) found a raft of modern health issues affecting Māori communities, from poor building standards to food, soil and water contamination.

The need for Māori health inspectors (now called health protection officers) to help progress Māori public health issues and provide an interface between Māori communities and agencies that can help is, he feels "the last bastion of the public health sector to change".

Knowledge of Māori attitudes and values to death, land and food sources are essential for officials working in environmental health and disaster relief. Last year he enrolled with Massey again, this time to do a masters degree extramurally while continuing to work as a health consultant and communications



Chris Webber.

adviser, and he is continuing to pursue similar issues in a thesis called *Māori cultural indicators for remediation of biological/chemical hazards and natural disasters*.

His thesis looks at Māori issues and agency response around a number of public health disasters – such as a flu pandemic, a toxic spill in a river and a house contaminated by use as a methamphetamine laboratory.

Awareness and response to environmental threats to public health is "one of the remaining areas in Māori health that really needs developing," Mr Webber says.

## Educators call for change

As the nation observes its first Dyslexia Awareness Week, educators are calling for a change to literacy education. Among other things, they are calling for a return to using phonics – where pupils are taught to sound out the words rather than guess them from context – to teach reading.

Dyslexia occurs when an otherwise bright and verbal child has extreme difficulty in learning to decode words. A dyslexic person has adequate or above average language ability and a history of regular classroom instruction but with inaccurate and slow reading of words.

Literacy experts from the College of Education have been pushing for change and for government support to help pupils who battle with dyslexia. Professor Tom Nicholson (Auckland campus) appeared with the Pro Vice-Chancellor of Education, Professor James Chapman, in the recent television documentary, "Decoding Dyslexia".

They said that children and adults with dyslexia can be identified, yet there is a lack



Professor Tom Nicholson.

of government support and a lack of willingness to intervene to help pupils with dyslexia. There is still widespread misunderstanding about dyslexia, says Professor Nicholson. In the past it was thought to be associated with seeing words and letters backwards.

"Contrary to popular belief, dyslexia is not a visual reversal problem – it is a sound problem, and it stops normal children from learning to read and write," he says.

"Most experts now say that the cure for dyslexia is to teach phonics. Dyslexic pupils will benefit greatly through one-to-one instruction in phonics. Teaching pupils to remember words using visual strategies is not the best long-term strategy even though it might bring short-term success.

"Phonics is an extremely useful teaching strategy and is now mandated in British schools. If we had it in New Zealand, then it would benefit many dyslexic children."

Professor Nicholson is currently seeking to establish reading clinics in the Auckland region for pupils who need help.

Dyslexia Awareness Week runs from 23 - 29 April, 2007.

# New survey rates Government's performance

The Government gets ticks from the public for its performance in protecting the environment, fighting unemployment and dealing with security threats.

But its performance in providing a decent standard of living for the old and health care for the sick is rated less highly, and it gets the thumbs down for failing to control crime. Taxation is another big source of dissatisfaction.

A new survey conducted by the Department of Marketing in Palmerston North, also provides evidence that a decade of MMP has increased satisfaction with New Zealand's political system, though the report's author, Professor Phil Gendall, says perceptions of being disenfranchised remain high.

The survey is part of the International Social Survey Programme, which involves leading academic institutions in 40 countries. Surveys cover a different topic every year in a roughly seven-year cycle: The last on the role of government was in 1997.

## Key findings include:

- Perceptions of the role of government have changed relatively little over the past 10 years, except for a sharp decline in the expectation that the Government should provide a job for everyone who wants one.
- Most people favour cuts in government spending but there is strong support for more spending in health, education and law enforcement.
- The belief that low and middle-income earners pay too much tax is widespread and has increased since 1997, most sharply amongst middle-income earners.
- The introduction of proportional representation (MMP) has reduced dissatisfaction with the political system, but the feeling that ordinary people have little influence over the Government remains widespread.
- New Zealanders have liberal views on actions designed to challenge the Government. Most believe organising public meetings, protest marches and demonstrations should be permitted. Even when people with extreme views want to overthrow the Government, most believe they should be allowed to publish books or hold public meetings to express these views.
- Concerns about terrorism are reflected in widespread support for measures such as phone tapping, detention without trial and random stopping and searching, if the Government suspects a terrorist act is about to happen.
- New Zealand is generally regarded as free of the corruption that characterises some other countries, but about 15 per cent believe there is corruption among some politicians and public officials. And there is a strong perception that the treatment people get from public



officials depends on who they know.

- Concerns about smoking, drinking and obesity show up in strong support for interventions designed to reduce the undesirable effects of cigarettes, alcohol and unhealthy food. Nearly half support extending the smoking ban to include all public places, and 75 per cent support returning the drinking age to 20.
- There is strong support for stricter enforcement of existing liquor laws, and some support for requiring warning labels on alcohol.
- There is strong support for removing GST on fresh fruit and vegetables and for more regulation of food advertising, particularly advertising to children.

The nationwide mail survey, of 2250 people aged 18 and over selected from the Electoral Roll, was conducted between August and October 2006. The response rate was 60 per cent and the maximum margin of error is plus or minus 3 per cent.

New Zealand has been included in the ISSP surveys since 1991. Data from the surveys is stored in central archives in Madrid and Cologne and allows researchers to monitor differences between countries and changes over time.

The full report is available at <http://marketing.massey.ac.nz/files/RoleofGovt.pdf>

# Top scholarships for PhD students

Two Massey PhD students have been awarded the Government's top scholarships with a total value of more than \$152,000.

Nick Albert and Rachael Bell are among 50 students awarded more than \$4.7 million in scholarships over the next three years.

Ms Bell, under the supervision of Dr Kerry Taylor in the University's School of History, Philosophy and Politics in Palmerston North, has been awarded \$71,488 for her doctoral thesis entitled *National History/National Memory: New Zealand's Official histories of WWII*.

Ms Bell's thesis will investigate the recording of New Zealanders' experiences during the Second World War in the series of *Official Histories* produced following the war.

It will assess the methodology employed in the *Histories* and the social and political factors that influenced their production.

Mr Albert, under the supervision of Associate Professor Michael McManus in the Institute of Molecular BioSciences in Palmerston North, has been awarded \$81,078 to study the regulation of anthocyanin pigment production in petunia plants.

Mr Albert says anthocyanins are important plant pigments providing colour to flowers, fruit and leaves.

The genes that encode the enzymes in this pathway have been cloned and characterised in many plant species, and the petunia is a model species for investigating anthocyanin biosynthesis and regulation.



Rachael Bell and Nick Albert.

# Small businesses have heart

One of Britain's leading researchers on small businesses says it is often overlooked that they add value to communities as well as to economies.

Dr Francis Greene was the keynote speaker at an annual research symposium in Wellington on 12 April, organised by the Centre for Small and Medium Enterprise Research.

Dr Greene says a local newsagent is a good example of a small business providing a "heart" for a community. He says research in the United States and Britain shows that most small business owners say they are in it less for the money but more for the lifestyle and interaction with the community.

"Many are run by people who may be older or part of an ethnic group. They may not make a living wage and, strictly speaking, they should get out. But they stay because of these other benefits. They may also decide to stay to avoid losing face – or because their other skills have eroded over time."

Dr Greene is with the Centre for Small and Medium Sized Enterprises at the University of Warwick, a key centre for the research and training of SMEs in Britain.

The seminar included an update on the pilot of the centre's *BusinesSMEasure* survey – the first ongoing study of SMEs in New Zealand.

## Ambassador Toolkits for schools

Staff tool kits have now been developed for use by University staff and students undertaking school visits and have received positive feedback already.

The Ambassador Toolkit consists of a general information booklet, frequently asked questions, and an overview of the Universities values and goals. It also provides advice for preparing presentations.

Palmerston North marketing manager Sarah Vining says it is important the schools find these visits valuable so they are willing to continue to have Massey provide presentations in addition to regular visits from Student Liaison advisers.

"Research shows that school students respond well to university students and recent graduates, so it is a channel of communication that should be grown," she says.

Staff interested in attending a work shop on how to get the most value from school presentations can contact Sarah Vining ext 4065 or email [s.vining@massey.ac.nz](mailto:s.vining@massey.ac.nz)

The kits have been distributed to all department, school, and institute administrators and are available for any staff member wanting to use them.



Pro Vice-Chancellor of the College of Business Professor Lawrence Rose, Centre director Professor Claire Massey, Minister Lianne Dalziel and keynote speaker Dr Francis Greene at the SME Research symposium.

## Looking after (small) business

Cabinet minister Lianne Dalziel stressed the value of the work done by the Centre for Small and Medium Enterprise Research, at the opening of the centre's annual research symposium in Wellington.

Ms Dalziel, who is Minister of Commerce and Minister of Small Business, said the centre's research is a valuable complement to the Government's work on improving the operating environment for New Zealand firms. She singled out the centre's *BusinesSMEasure* project "with its multifaceted agenda", for approval, saying what is needed is research that "not only identifies the barriers to growth but also develops meaningful mechanisms to ensure those barriers are addressed".

She acknowledged other research on management capability, improving workplace productivity and human resource practices, and noted that the centre intends to ensure its research is transformed into 'plain English', for use by SMEs themselves. "All of this work is highly relevant to the objectives of the Government," she said.

The Minister identified their potential for growth as the most important aspect of SMEs. Outlining the Government's Quality Regulation Review, she said SMEs are not a uniform sector: Although some fit the model of dynamic, innovative, creative companies, others are owned and managed for lifestyle reasons.

"Some of these SME owners have great potential locked up with their limited ambitions. Part of what I want to achieve with the review is an understanding of the types of regulatory barriers that might be standing in their way."

Echoing the Minister's comments, keynote speaker Dr Francis Greene championed the need for good research to lead good policy. He concluded: "Good policy is what works. But good policy research is research that honestly improves the activities, outputs or outcomes of policy."

Dr Greene is with the Centre for Small and Medium Sized Enterprises at the University of Warwick, a key centre for the research and training of SMEs in Britain. He notes that its focus is similar to that of the New Zealand

centre, "with the difference that SMEs here have a much smaller local market. In most cases, the only way for a small business in New Zealand to grow bigger is to export."

However he said research in the United States and Britain shows that most small business owners say they are in it less for the money but more for the lifestyle and interaction with the community.

The symposium, held in Wellington on 12 April, included an update on the pilot of the *BusinesSMEasure* survey – the first ongoing study of SMEs in New Zealand.

The pilot, led by centre director Professor Claire Massey and Dr Martina Battisti, involved site visits and interviews with 300 SME owners-managers.

It provides insights on their attitudes to growth and also identifies key factors in how growth is perceived.

These factors, to be the focus of future studies, include the legal form of the business, whether or not it is exporting, the ethnicity of the owner-manager, geographical locations and management practices.

The second stage of the *BusinesSMEasure* survey will be launched this year. It will make six monthly surveys of a panel of 600 firms. Professor Massey says one aim is to identify influences on a firm's performance.

A study of attitudes to learning and development in SMEs was also presented at the symposium. The study, by centre research associates Kate Lewis and Alan Coetzer, involved 50 companies in a variety of geographical locations.

Findings suggest that most SME managers feel limited responsibility for learning and development amongst their staff, and most have a limited understanding of its potential impact on their firms.

"A very small number saw learning and development as potentially providing a competitive advantage," say Ms Lewis and Mr Coetzer. "Instead, most regard it as a means of keeping up, of sustainability. For most SME owners and managers, learning is seen as something that may be necessary to survive, rather than thrive."

# Graduation '07

## Masters graduate highlights Tongan successes

Masters graduate Sione Tu'itahi hopes his study of four generations of a successful Tongan family in New Zealand will provide clues for others on how to succeed.

Mr Tu'itahi feels too much emphasis has been given – in government statistics and media reports – to negative measures that emphasise Tongans' poor ratings in health, housing and jobs.

"My decision to write a thesis that focuses on the strengths and potentials of Tongans, rather than their deficit and problems, stems from decades of observation of that community, first as a journalist and later as an educator and health worker," he says in his thesis.

He observed consistent characteristics among successful Tongans, such as having specific social and economic goals, positive attitudes, knowledge, perseverance and a willingness to work hard. "These resilient people never gave up once they set on their goals. I continue to observe the same phenomenon among some of the Tongans here in New Zealand."

It is the Tongan definition of success that is the key to understanding what has enabled some to get ahead, something he explores in

depth in his work. "Sharing and reciprocity lift the social and economic status of the whole kainga [extended family], rather than its accumulation in one nuclear family at the expense of others in the same extended family unit."

Unlike many Tongans who migrate to New Zealand specifically to seek education and job opportunities, Mr Tu'itahi's is the result of an accident.

He was flown to hospital in Auckland after breaking a leg falling off a ladder in 1994 and, after complications due to osteoporosis, was advised to stay for two years for follow-up treatment.

The former broadcast and print journalist began teaching at the Pacific Island Education Resource Centre in Auckland before taking up a position as Learning Adviser for Pacific Islands students at the Auckland campus.

Along with Professor Mason Durie, head of Māori Research and Development and Deputy Vice-Chancellor (Māori), he formulated the Pasifika@Massey strategy adopted formally last year.

It aims to encourage and support Pacific Island students as well as promote Pacific studies throughout the three campuses and is



Sione Tu'itahi.

led by the Director Pasifika Professor Sitaleki Finau.

Mr Tu'itahi graduated last week with a Masters in Public Policy from the School of Social and Cultural Studies in Auckland. The title of his thesis is *Langa Fonua: In search of success – How a Tongan kainga strived to be socially and economically successful in New Zealand*.



Graduating as Bachelors of Design: Oliver McDermott, Ben Thomsen, Chris Moors, Chris Wall and Ryan Graham.



Massey Contact manager Phil Mann with his daughter Kirsty (Bachelor of Science).



Professors Dennis Viehland and Tony Norris.

## Self-made millionaire: Don't take no for an answer

Venture capitalist Neville Jordan says he has spent a lifetime ignoring people who told him his ideas would not work and should not be done. The technology entrepreneur, listed on last year's *National Business Review Rich List* as worth \$70 million, advised science and creative arts graduates at last week's Auckland campus graduation to do the same.

"Allow yourselves that feeling of pride as you receive your degree, savour the moment and the satisfaction of graduating but do leave some room for that little internal voice – 'what else is possible, what might others say that can't be done but which might lead me into new and interesting pastures?'," Mr Jordan said.

The Endeavour Capital Ltd chairman and Royal Society president recalled lying about his age at 13 to get a job in the freezing works over summer and cleaning Wellington sewers to make money during the other school holidays before going to university. His father had died when he was young, so he had to finance his studies through those jobs and a bank loan.

As soon as he had repaid the loan, he left his public service job (against his boss's advice) to go to the United States on a Rotary study award that took him to the Apollo Centre mission control in Houston. "That changed my life."

He returned, worked for IBM for five years

then left to form his own company (also against his managers' advice) making communications equipment.

The company grew, he floated it on the American stockmarket (despite colleagues' saying it was too risky), merged it with an American competitor, enabling him to sell shares and create a \$40 million venture capital fund, which he invests solely in New Zealand science, technology and creative companies.

"I'm not saying 'you can't do that' but rather 'here are some ideas how we can proceed, here is how we can support your enterprise, have you thought of this, what do you think about that?'"



## New PhDs at Auckland

### **GARRY WARREN MCDONALD – PhD in Resource and Environmental Planning**

Dr McDonald studied the sustainability of urban Auckland and sought to identify the key principles. His research developed methods to comprehensively analyse the Auckland region's current ecological and economic interdependencies, including dependence on other New Zealand regions and nations.

The research revealed the extent, magnitude and criticality of key natural resources and ecological processes supporting the region's economy.

### **HUENG YEUNG LAM – PhD in Mathematics**

Dr Lam studied the work of an Indian mathematician who made an outstanding impact in his field over a century ago, when he began exploring theory as a young man.

Largely self taught, Srinivasa Ramanujan (1887–1920) is acknowledged as one of the world's greatest mathematical geniuses.

He made spectacular discoveries in a branch of mathematics known as "q-series". Although he produced more than 3,000 theorems in his three notebooks, he left no explanations and did not publish proof for

many. Dr Lam's research investigated and analysed some of the results recorded in the notebooks of Ramanujan.

### **SARAH ELIZABETH DONAGHEY – PhD in Management**

Dr Domaghey's research focused on the methods of assessing of New Zealand's historic heritage. She examined the current systems for valuing and assessing the sites, buildings, places, areas and landscapes of archaeological and historic significance to Māori and Pākehā.

She found considerable room for improvement and drew on international practice to identify a set of effective system characteristics for assessing historic heritage.

### **JANE ANNE LEGGETT – PhD in Management**

Dr Leggett investigated accountability for non-financial performance in New Zealand's publicly-funded and professionally managed museums.

Her survey of museum directors found that data on visitors was often the key and singular performance indicator.

In contrast the various stakeholder groups surveyed put priority on collections and staff and the quality and effective management of these as being significant factors in the assessment of museum performance.

### **BRONWYN ELIZABETH BEATTY – PhD in English**

Through the hugely popular books and films of both *Harry Potter* and *The Lord of the Rings*, Dr Beatty explored the heroic fantasy genre.

She addresses themes of consumerism, gender, and nationalism, using a combination of literary analysis and contextual discussion.

She contends that the hero's moral behaviour and purposive journey provide readers with examples of meaningful actions and values, presenting a necessary fantasy of individual and collective stability.

The genre of heroic fantasy is particularly open to diverse interpretations and she notes that this accounts for the prominence of the genre at the start of the twenty-first century. She says the reassuring images of individual and collective stability resonate at a time of global insecurity.

## From the speeches

**Jeffrey Todd CBE is a director of a number of organisations including the National Research Centre for Growth and Development and the Auckland Medical Research Foundation. This is an excerpt from his speech to College of Business graduates.**

Our society has a strange reluctance to celebrate business enterprise and entrepreneurship. A common view is that business is all about greed and serving self. Many of you here today have already committed yourselves to careers in business and for many others today's qualification will provide your entrée into the world of business.

Think about what business stands for. Business, far from being centred on self, will be successful only when it meets the needs and wants of others. And the market places created by business are the most intricate webs of cooperation and teamwork. They work so well we don't even think about them. Meeting the needs and wants of others, cooperation and teamwork are all hallmarks of successful businesses.

The miracle is that it generally works quite well even with no one in command.

And the miracle continues. Businesses finance governments. Without businesses (and their employees, contractors, and investors) governments have nothing to spend. Government is a one-third shareholder in every business taking one-third of business profit and a slice of everyone's personal income to pay for education, health, roads and social services. Charities depend totally on the fruits of business through donations from individuals' earnings and contributions from company profits.

Without business success we have nothing. No jobs, no taxes, no healthcare, no education, no future. Business profits, salaries, wages, dividends, interest are the inputs for everything we want to do as a nation. The taxes we pay, the goods and services our governments provide can all be traced back to the wealth and income generated by business.

**Professor Jane Kelsey is Professor of Law and Associate Dean of Research at Auckland University. This is an excerpt from her address to College of Education graduates.**

As educators yourselves you know the value of learning only too well. Today the role of education is ever more vital. The mass media fails dismally to analyse, investigate and interrogate the pressing questions of our times, within the country and beyond.

Political decisions are driven by focus groups and popularity polls as much as principles. Sometimes, the democratic process looks like a less entertaining version of 'Dancing with the Stars'. Even in academia the market model pits risk management to protect the brand name and rankings of our institutions against the exercise of academic freedom and our statutory responsibilities as the grandly named 'critic and conscience of society'. Students as customers changes the relationship of teaching and learning – a trend that risks entering our schools.

In this environment it falls back to our schools, and in particular to our teachers, to cultivate the basic skills, insights, values and confidence that allow a vibrant democracy to thrive. At its core are the old fashioned goals of an inclusive society in which every individual has a valued role and the opportunity to achieve their potential – the talented, the ordinary, diverse ethnicities and religions, those who struggle with disabilities or the accident of being born into poverty. Within Aotearoa New Zealand that also means understand te Tiriti o Waitangi and how it shapes our nation.

Perhaps the biggest challenge confronting us as educators is preparing our students and ourselves for a future unknown. The Internet is barely a decade old. For many of us our students and children are the teachers; yet so many more doors open to us once we learn how to harness the technology. Even history is highly relative. The youngster next door came over last week for help with her 'history' project on the Springbok tour; for some of us that was yesterday.





Robyn de Bruin-Judge with her children.

## Providing practical advice for small business

Robyn de Bruin-Judge decided from the onset that if she were to get through her masters thesis, it would have to be relevant to the business world.

She was already flat-out at the successful North Shore furniture-making company she runs with her husband, as well as raising two young children when she resumed academic study at the Auckland campus five years ago.

Mrs de Bruin-Judge's two-year research project – an analysis of how small to medium businesses in New Zealand comply with regulations – has earned her first class honours for her Masters in Public Policy. She graduated last week at the sixth of seven capping ceremonies at the Bruce Mason Centre in Takapuna.

Her ground-breaking findings led to her selection ahead of more than 250 applicants to join the Economic Development Ministry's small business advisory group in December. The thrust of her thesis is that although New Zealand has a reputation as one of the easiest places in the world to do business, small to medium enterprises (SMEs) often struggle because no distinction is made between them and large companies.

Size does matter when it comes to understanding and complying with the multitude of sometimes complex rules relating to GST, income tax, provisional tax, ACC,

health and safety law, employment law and others, she says.

Big companies can rely on accountants, lawyers and human resources staff, often in-house, but smaller businesses either have to contract that work out, usually at a higher cost relative to staff numbers, or attempt to do it themselves. This can cause problems if they lack the skills, don't have the latest information on rule changes or know where to turn for help.

The reality is that partners and family members often take on unpaid administrative tasks to keep small businesses going, none of which is officially recognised, Mrs de Bruin-Judge says. "Often women are pulled back into work doing the books – it's unseen and unpaid."

She is "rapt" that her thesis, *The entrepreneurial capital of SMEs and business compliance in New Zealand: A study of the relationship*, made policy-makers sit up and take notice before it was even bound.

Her recommendations on how to improve the Business Cost Calculator – an Australian-designed computer tool used by policy makers here to estimate the cost of proposed regulations to businesses – are being considered by government policy analysts.

"The calculator needs to be adjusted to accommodate the costs and impacts on SMEs

specifically, rather than just to business in general," she says. "This is because SMEs make up 96.6 per cent of the New Zealand business community, and small businesses experience different costs and impacts than larger ones."

Mrs de Bruin-Judge has been a Massey student for more than 20 years, starting her BA in Social Sciences at the Palmerston North campus in 1984 and following that with a Diploma in Business Studies, which she did extramurally when living in Auckland.

"My mother [Edith Judge] did her BA in Social Sciences extramurally when I was growing up, so from secondary school I got used to going to Palmerston North for block courses in the holidays."

Mrs de Bruin-Judge hopes her achievement will inspire others with busy lives, who want to study but feel daunted by how to manage it. Her method – focus, self-discipline, with no movies, television, holidays or social outings for two years – might not sound like fun, but it achieved results.

She will attend monthly meetings in Wellington with the Small Business Advisory Group exploring ways to help SMEs, and plans to spend more time on the family business, de Bruin-Judge Furniture, concentrating on marketing and systems operations. First though, she'll take a well-earned holiday.





Aaron Wong with proud parents Raymond and Winna and his brother Daniel.

## Young scholar's rapid rise to IT mastery

At 15 Aaron Wong had finished secondary school and enrolled at Massey. At 18 he had a Bachelor's degree in computer science. Now 20, he has graduated from the Auckland campus with a masters degree in information sciences and will soon start work with Datacom as a software developer.

Mr Wong says his accelerated journey to higher education began at New Plymouth Boys' High School, where he was allowed – and encouraged – to compress five years of schooling into three.

When he was accepted into a bachelors programme despite his tender years, his family uprooted and moved to the North Shore to be near him.

"Thankfully, Massey University accepted me at that age. I was used to being in class with older people so I had no problems interacting. In fact, most people wouldn't have known I was only 15 years old."

Mr Wong says he is excited to be able to apply the skills and knowledge he gained in the past five years of study.

## Passion for history sees grandmother graduate

Shirley Remnant may have failed School Certificate history back in 1960, but a lifelong interest in the subject has culminated in her graduating this year with a Bachelor of Arts majoring in history.

The 61-year-old from Whitianga enrolled as a mature student at the School of Social and Cultural Studies on the Auckland campus five years ago.

She says it was the encouragement of her two sons, who "kicked my butt", that prompted her. "They said to me 'Mum, what is it that you really want to do?'," Ms Remnant recalls.

"As a fourth former, I can remember my history teacher reading to us about the tomb of Tutankhamen being discovered by Howard Carter. I was gripped. That's stayed with me ever since."

At university, she developed an interest in

New Zealand's social history, rather than the wonders of Ancient Egypt.

She studied full-time for two-and-a-half years, sharing a house in nearby Greenhithe with her widowed sister-in-law so she could travel easily to the campus.

But when her sister-in-law died she returned to Whitianga and completed the degree extramurally.

She also works as administration manager at the Whitianga Information Centre.

Ms Remnant also works as a part-time volunteer at the Mercury Bay museum in Whitianga, and has been recording oral histories from some of the older residents in the area.

"History is not just about the past, it's what we can observe and record now that will become valuable in the future," she says.



Shirley Remnant.

# School bullying turns gay teens off education

Gay and lesbian people in New Zealand who come out openly in their teens are more likely to opt out of higher education because of school bullying, says a new study.

Lower educational achievement over the course of their whole lives was the likely long-term impact on teens bullied as a result of coming out as gay or lesbian, says Dr Mark Henrikson, author of the study.

Many respondents shared harrowing personal stories of years at high school, such as a student from an all-girl high school who said: "The worst thing you can ever be called is a lesbian, and if somebody finds out about you (like what happened to my friend) you become a social pariah.

"People whisper about her wherever she goes, and most of my friends bitch about her behind her back whenever she isn't around."

A young male adult respondent said: "It was bad at school with bullying, and the teachers let it happen.

"When I came out to my family, all except my mother wanted nothing to do with me, which continues today. You have to be strong to be gay."

Two-thirds of female students and three-quarters of males say they were verbally abused at school because of their sexual identity, while 9 per cent of girls and 18 per cent of boys were physically abused for the same reason.

Meanwhile, other gay and lesbian youth who choose to remain in education appear to become 'overachievers'.

"They may have succeeded because they've opted to come out about their sexuality later in

life, or they may use academic achievement in order to mask a gay or lesbian identity," says Dr Henrikson, a senior social work lecturer at the Auckland campus.

His findings are the latest results of two studies from *Lavender Islands: Portrait of the Whole Family* – a national strengths-based study of lesbian, gay and bisexual (LGB) people in New Zealand.

In the survey, which 2269 people responded to, a multi-disciplinary team of researchers deliberately focussed on developing a more general profile of New Zealand's lesbian and gay sector by asking questions about identity and self-definition, family, immigration, politics, work, income and spending, leisure, community connections, religion and spirituality.

The two studies, one on educational attainment and gay sexual identity and another on bullying and educational attainment, found that gay and lesbian people with higher qualifications tended to come out about their sexuality later in life. The result surprised Dr Henrikson.

"It seems more intuitive that people with higher educational attainment would be more open to new ideas than people with lower levels of education, and that therefore the coming out process would be earlier and easier for higher-educated individuals," he says.

He said the studies identified a critical need for teachers, principals, school counsellors, coaches and other education and human service professionals to combat bullying and to be supportive of the needs of gay and lesbian teens.

# New leadership for institute

There has been a change of leadership at the Auckland-based Institute of Information and Mathematical Sciences. Professor Robert McKibbin has handed over the reins to Professor Tony Norris in order to focus again on his academic career.

Professor McKibbin has been Head of Institute for five years and says he is proud of the many achievements at the institute over that period. He says it has become a very research active institute with a significant increase in staff and PhD student numbers.

In recent years five research centres have been established within the institute as staff numbers and the breadth of expertise have increased. The research groups are: mobile computing, mathematics in industry, mathematical biology, data mining, parallel computing.

Professor Tony Norris came to the Institute as Professor of Information Systems in November 2005 and has taken a very active role in launching mobile computing research. He comes most recently from Auckland University but he's an Englishman whose academic career has been largely based in the UK. His current area of research includes informatics – the application of information management and technology to the planning and delivery of healthcare.



Professor Robert McKibbin and Professor Tony Norris.

He says he welcomes the challenges ahead "People are proud to be members of the institute. It is an institute where the whole is greater than the sum of the parts.

"Robert has left a superbly-run institute which is in excellent shape administratively, academically and collaboratively. I would like to extend our contributions to the College of Science and the University in ways that build upon these successes. I am especially keen to continue to enhance our postgraduate and research profile," says Professor Norris.

"I would also like to develop the role of women in IIMS. Women staff and students are traditionally underrepresented in the disciplines we cover."

After stepping down as Head of Institute, Professor McKibbin is overseas taking up an award for the Promotion of Science from the Japan Foundation.

# Stepping up to the million mark

Visitors to the University in recent weeks could be forgiven for thinking they have stumbled across some sort of roaming secret society.

Teams of staff have striding around and beyond the three campuses, with the only hint of what they are up to provided in the odd knowing look accompanied by an exaggerated pat of the hip.

Their aim has been to each walk 10,000 steps a day, with 60 teams of five competing to complete a total of four million steps between them – the equivalent of walking around New Zealand.

After just four the 12 weeks in the 10,000 Steps@Massey: Hikoi-a-Hauora programme, some of the 300 participants had individually clocked up more than a million steps on the pedometers strapped to their hips.

Aside from the focus on fitness and enjoyment, the programme also has a health research goal, with Professor Chris Cunningham gauging the impacts of participation and working on ways to encourage ongoing physical activity. "We want to know the most effective ways of

getting people active," he says.

Whetu Simon, from Palmerston North campus' Nga Tane o Te Pumanawa Hauora team, and Karl Partsch, from Wellington's Perambulaters, are the first individuals to reach the million-step mark, while the Perambulaters head the team score with more than four million steps.

Mr Partsch certainly knows how to go the extra mile. He walked all night at last month's Cancer Society Relay for Life and routinely gets up at 4am for a stroll before work.

Auckland campus Recreation Centre manager Rod Grove says the programme has been a hit with staff.

"I think many of them will be pleasantly surprised when they complete their health assessments at the end."

Health, nutrition and injury prevention seminars are being held on each campus throughout the programme, which finishes next month.

For more information: <http://10000steps.massey.ac.nz>



# Lessons from the Olympics

Business and sports administrator Bruce Ullrich is the speaker for this year's Business Link Function, traditionally held during Palmerston North graduation week.

The event is jointly run by the University and Vision Manawatu and this year will have a sports theme.

Mr Ullrich, who has been Chef de Mission for three New Zealand Olympic games teams, will speak on 'Lessons learned from the Olympics and Commonwealth Games that can be applied to business'.

Mr Ullrich was awarded an OBE for services to sports administration. He has a Masters in Business Administration from Massey University and is a member of the University Council as well as being a former long serving member of the University of Canterbury Council. He is a past President of the Massey MBA Alumni Association.

He has traveled widely to represent New Zealand interests in both business and sport. He was Vice Chairman of the Organising Committee of the Xth Commonwealth Games and is a former Vice President of the New Zealand Olympic Committee.

As Chef de Mission, he has managed more New Zealand teams to Olympic and Commonwealth Games, including Seoul in 1988, than any other New Zealander. For the past 10 years he has spearheaded a bid to bring the Winter Olympics to New Zealand.

Mr Ullrich is a chartered accountant and a Fellow of the Institute of Director. In recent years he has spent a considerable amount of time in China where he is an honorary chairman of several trade organisations. He has also helped establish strong governmental and educational links in China and during 2006 was made an honorary professor of two Chinese universities.

He is currently working with a Chinese medical school to establish clinics for the treatment of diabetes.

Business Link 2007 will be held on Wednesday 16 May in the graduation marquee, in The Square, Palmerston North.

Palmerston North graduation ceremonies will be held 14 - 18 May, 2007 at the Regent on Broadway in Palmerston North.

A ceremony to honour Māori graduates will be held on Friday 18 May.

For further information on Graduation ceremonies at the Palmerston North and Wellington campuses, visit: <http://graduation.massey.ac.nz>



Recipients of the awards in Palmerston North: Ben Lennan, Rebecca Mitchell and Joseph Relph, pictured with Professor Richard Archer, Head of the Institute of Food, Nutrition and Human Health. In absentia, Josh Wilkinson.

## Food Technology Study Awards

The inaugural Food Technology Study Awards were recently awarded to nine recipients at the Palmerston North and Auckland campuses.

Worth \$1000 per annum for up to four years, the awards are offered to first-year students enrolled in the Bachelor of Technology (Hons), Food Technology major, and applicants are required to submit an essay outlining their interest in food technology.

Dr Owen McCarthy, Institute of Food, Nutrition and Human Health, says the entries

for the awards showed an enthusiastic variety of interests in the food industries.

At the Palmerston North campus, the Kelvin Scott Memorial Prize was awarded to third-year student Andrea McLeod for the best academic performance in the area of food process engineering. Professor Kelvin Scott was the founding professor of food technology at Massey, and the founder of the New Zealand Institute of Food Science and Technology, who administer the \$500 award.

## University assignment wins travel writing prize

A university assignment has won Wellington extramural student Terence Wood \$1000 and an award at the Cathay Pacific Travel Media Awards, announced recently in Auckland.

*On Top of the World*, a story set in Greenland, was written as an assignment for the travel writing paper at Massey.

It was the first time Mr Wood had entered a writing competition and he was "chuffed" to win the *New Travel Writer of the Year* award.

He says it is not easy to fit study into a busy life, but that deadlines can be useful, as they force you to write. The award includes a commission to write a travel article for *AA Directions* magazine.

Lecturer Dr John Muirhead, from the School of English and Media Studies, says he is delighted with Mr Wood's success. "Both of the tutors who looked at his assignment thought it a standout.

"We encourage students to write their stories as a literary essay with a strong central idea, not as a 'destination' piece, common in

newspapers, where the writer takes the reader on a quick tour around the main attractions of a particular location.

"In this assignment, students were asked to write about a personal issue that arose in relation to the place they visited," Dr Muirhead says.

"That's quite common in contemporary travel books. In an age of mass travel, writers find something new to say about even the most accessible destinations by exploring an experience of that place that is unique to them.

"In Mr Wood's case, the destination – Greenland – is perhaps not so common, but I think he simultaneously tells us a lot about the place and about the emotional state through which his perceptions are filtered."

Interest in travel writing has grown since it was launched six years ago as an extramural paper. It is also taught internally at Massey's Auckland and Palmerston North campuses, and from next year at the Wellington campus.



Georgie Fame at the piano, with Jazz School tutor Phil Broadhurst and jazz vocals students Maria O'Flaherty and Verity Burgess.

## Massey players make Universities rugby tour

Five players from the Varsity rugby club in Palmerston North have been selected for the New Zealand Universities tour of Malaysia, Japan and Australia, which begins this weekend, while Varsity A co-coach Professor Steve Morris will be team manager.

Three of the Varsity players selected for the team, wing Cameron Hayton, second five-eighth Louis Maxwell and prop Grant Polson, are current Massey students, while hooker Willie Tran and flanker Josh Bradnock are former students.

Bradnock is a Manawatu representative and Grant Polson is expected to play for the Turbos this season.

Professor Morris, a professor of animal sciences and a former NZ Universities coach, says players must play for a university club and be current or former students to be eligible for selection.

The tour included a match against a Malaysian XV in Kuala Lumpur on 11 April, won 103-0, two in Japan, the first of which was won 31-15 against a combined national U-21 and U-23 team, and was to finish in Sydney at the weekend (24 April) against Australian Universities.

Matches against Australian Universities were played regularly in the 1990s but have not been as frequent since, Professor Morris says.

University rugby clubs are among the strongest in many New Zealand club competitions, particularly Auckland and Otago but also Wellington and Manawatu, he says.

Varsity A will be weakened by the loss of five of its best players for the first few rounds of the Manawatu competition, in which they were last year's beaten finalists.

"But a tour like this is also an incentive for students and former students to stay at Varsity rather than join the city clubs."

## Sport development appointment

Alumna Kelly Rofe has been appointed to the new role of Sport Development Officer at the Massey Recreation Centre at Palmerston North. Ms Rofe completed a Bachelor of Sport and Exercise in 2006, majoring in Sport Management.

In her final year she successfully undertook the development and management of the Massey Academy of Sport, as part of the Sport Management Practicum. She was the top extramural student in this paper with an A+ grade.

Ms Rofe will continue her work with the Academy of Sport in her new role, as well as developing a children's holiday programme.

## Music legend lends ear to Massey jazz vocalists

Jazz legend Georgie Fame held a workshop for students at the New Zealand School of Music in Auckland and Palmerston North last week.

A household name in Britain since the early 1970s, when he and musical partner Alan Price (former keyboard player with The Animals) did a television series called *The Price of Fame*, his 40-year musical career encompassed 20 albums and 14 hit singles. He has toured, recorded and performed with many musical greats, including Joan Armatrading, Eric Clapton and Van Morrison.

Mr Fame's ongoing friendship with Auckland

jazz musicians based at Massey led to the workshop being organized for eight jazz vocal students.

At the Auckland campus, Mr Fame spent an afternoon with old musical comrades Rodger Fox, Phil Broadhurst and Brian Smith and their students.

He spoke for an hour then spent the next at a keyboard doing a vocal workshop for jazz singers – a unique and valuable experience, according to Broadhurst.

He continues to tour and perform his blend of jazz and rhythm and blues with big bands, jazz groups, orchestras and rock groups.

## In search of the British World

A panel presentation to be co-presented by Dr John Griffiths has been accepted for the 2007 British World Conference held in Bristol in July.

Dr Griffiths, a lecturer in the School of History, Philosophy and Politics in Palmerston North will present a paper as part of the panel discussion, alongside colleagues Dr Andrew Brown-May (University of Melbourne) and Dr Prashant Kidambi (University of Leicester).

Dr Griffiths' paper will examine the role of the London publication *The Municipal Journal* as an information network before 1914. He says the journal was an important mechanism for spreading ideas of city management around the British World before World War I.

The panel discussion is titled *The Networked Empire City* and addresses the conference theme of Communications, Networks and the British World. Dr Griffiths says the British World conferences are concerned with

exploring the nature of Britishness and the vectors of its disseminations and negotiation.

He says the panel "will draw on the recent work of urban scholars concerning transnational connections at a municipal level, and address the circulation of ideas, people, artefacts and information, disentangling ideals of Britishness from ideologies of urbanism."

They will observe the ways in which cities such as Bombay, Dunedin, Aberdeen and East London used municipal networks, and the ways in which cities across the Empire were seen to embody or challenge British cultural values, ideals of citizenship, protocols for urban living and public behaviour.

The four-day conference is hosted by the University of the West of England (Bristol), the University of Bristol and the British Empire and Commonwealth Museum. More information can be found at: <http://www.uwe.ac.uk/hlss/history/britishworld2007>

# In the News

## 28 March

*The Press, The Dominion Post, stuff.co.nz:* Associate Professor **John Mawson**, from the Institute of Food, Nutrition and Human Health, says that apples are best stored in the fridge to keep them fresh, and tomatoes are best kept out of the fridge to keep the flavour.

*The Dominion Post, NZ Education Review:* Professor **Judith Kinnear**, Vice Chancellor, says Massey's new School of Aviation flight simulator is at the cutting edge of technology and pilot training, which provides an ongoing commitment to quality education and training. *The Dominion Post, The Press, Waikato Times, Manawatu Standard, Hawke's Bay Today, Bay of Plenty Times, RNZ:* Professor **Bob Hargreaves**, from the Department of Finance Banking and Property, says that despite rising mortgage interest rates, property investors remain confident.

## 29 March

*The New Zealand Herald, Manawatu Standard, Fielding Herald, Rangitikei Mail, The Dominion Post, DoC Intranet, scoop.co.nz, RNZ Newstalk ZB, RLI, TV1 News, Sunday Star Times, BBC World Service, Times (London), Birdlife International, Hanyoreh Newspaper (South Korea), wildlifeextra.com (UK):* Dr **Phil Battley**, an ornithologist from the Institute of Natural Resources, leads a team that are tracking the journey of bar-tailed godwits on their migration to Alaska with satellite tags. The study is of international interest as the birds are potential carriers of the bird-flu virus.

*The Dominion Post, Timaru Herald:* Professor **Ray Winger**, from the Institute of Food, Nutrition and Human Health, says most manufacturers of fruit juices added Vitamin C to their products to combat losses during processing and storage.

*Food Navigator (USA):* **Jiahong Su**, from the Institute of Food, Nutrition and Human Health, conducts research into the modified gum product "Supergum" which may have opened up the opportunity for fat reduction after encapsulation.

## 31 March

*The New Zealand Herald, Food Industry Week, Hawkes Bay Today, Wanganui Chronicle:* Professor **John Birkbeck**, from the Institute of Food Nutrition and Human Health, dismissed a claim made by a Ribena company representative, that the problem found with the product in New Zealand was due to being left on shop shelves for too long. Professor Birkbeck says if bottles are properly sealed the Vitamin C should be fairly stable.

*Manawatu Standard:* **Tim Upperton**, from the School of English and Media Studies, was the winner of the *Manawatu Standard* short story competition for his gothic piece titled "Abomination".

## 1 April

*Herald on Sunday, Dannevirke Evening News, The Independent Financial Review, Hutt News, Kapi-Mana News, Food Industry Week, RNZ:* Professor **Janet Hoek**, from the Department of Marketing, says it is important that we build on the lessons learnt from the Ribena case where the product did not contain the amount of Vitamin C as advertised.

## 4 April

*The New Zealand Herald:* Dr **David Tripe**, from the Centre for Banking Studies, says the rise in fixed mortgage rates has resulted in the expansion of bank's margins from 40-50 basis points, to 100 basis points.

*The Dominion Post:* **Elspeth Tilley**, from the Department of Communication and Journalism, is leading a project for her public relations students to re-brand people with ADHD as da Vinci's, to create awareness of the positive qualities of the disorder.

*The Dominion Post:* Professor **Paul Spoonley**, School of Social and Cultural Studies, says the agreement between Massey and the Munich University of Applied Sciences, to allow four undergraduate or post graduate students from each institute to study for a semester, will offer a new range of interesting study and research opportunities.

*Manawatu Standard, The Tribune:* **Rachael Bell**, PhD student in the School of History Philosophy and Politics, and **Nick Albert**, PhD student in the Institute of Molecular Biosciences, have both been awarded top government scholarships for work to be conducted in their respective fields.

## 5 April

*Radio Live:* Dr **Nigel Parsons**, from the School of People Environment and Planning, discusses Iran's decision to release the Royal Navy hostages.

## 7 April

*The Dominion Post, Waikato Times, The Press:* **David Tripe** says banks are changing their behaviour. Although still aggressively pushing credit card spending to generate income, they are also offering options to reduce credit card debt.

## 11 April

*The New Zealand Herald:* **David Tripe**, says

finding the right bank deal to suit you made be hard, as the biggest problem for banks is the lack of understanding for personal fees.

*The Dominion Post, Manawatu Standard, NZ Education Review, Nanowerk LLC (USA):* Dr **Wayne Campbell**, from the Nanomaterials Research Centre, has developed new solar technology that will enable New Zealanders to generate electricity from sunlight in a much cheaper way than current technology allows.

## 13 April

*Manawatu Standard, Bay of Plenty Times, Marlborough Express, Timaru Herald:* Professor **Phil Gendall**, from the Department of Marketing, has produced a report on public perceptions of the Government's performance.

*The NZ Listener, Rural News, Straight Furrow, Country-Wide Northern, Te Puke Times, Agbrief, AgResearch Intouch, Dairying Today:* Professor **Grant Guilford** and Professor **Nigel French**, from the Institute of Veterinary Animal and Biomedical Sciences, at the opening of the Hopkirk Research Institute, the largest centre for animal health research in the Southern Hemisphere.

## 14 April

*The Press:* **Jason Stapp**, conducts a study for his masters degree into the occupational hazard of noise in the classroom and the effect this is having towards the hearing loss faced

## Research Funding Opportunities

<http://www.massey.ac.nz/research/rms/fops/fo.cfm>

### INTERNAL FUNDING ROUND NOW OPEN

All Guidelines and application forms contain significant changes from previous years. Please ensure the correct forms are used.

Visit our Internal Funding web page at <http://www.massey.ac.nz/research/rms/fops/internal.cfm> for access to forms.

### International Visitor's Research Fund (IVRF)

The International Visitor Research Fund has been established to promote high quality research outputs through international collaboration. It does this through supporting the international travel costs of reputable researchers to come to Massey University. Visitors must come for at least a month. Grants will cover the travel costs of up to a return around the world economy air ticket plus a contribution towards expenses of up to a maximum of \$500.00

DEADLINES - 1 February, 1 May, 1 August & 1 November 2007



### Grant Development Fund (GDF)

The Grant Development Fund has been established to provide seed funding to help establish or develop teams (normally a minimum of three or more people) that will then be competitive in applying for external funding.

This fund is not intended to fund research as such but specifically those activities associated with the development of a grant application. The resulting external funding application should be for \$1 million. The maximum funding that will be granted from the GDF in any one year is \$25,000. It is anticipated that the funding will be used to release key research staff from teaching or administrative duties, for travel, administrative support for the research team and grant writing.

DEADLINES - 1 February, 1 May, 1 August & 1 November 2007

### Massey University Māori Award (UMA)

Available to Māori Lecturers or Senior Lecturers, who are PBRF-eligible. Up to \$10,000 in casual assistance is made to the Department/Institute/School to enable relief from some normal teaching and administrative duties to complete a current research programme, write up a completed research programme or undertake a new one. Potential of research for Māori advancement and development must be indicated.

Please note: All interviews are at the discretion of the relevant interview panel and if required to attend the interviews are held 13 June 2007.

DEADLINE - 1 June 2007

### Massey University Women's Award (UWA)

Available to women Lecturers or Senior Lecturers, who are PBRF-eligible. Up to \$10,000 in casual assistance is made to the Department/Institute/School to enable relief from some normal teaching and administrative duties to complete a current research programme, write up a completed research programme or undertake a new one.

DEADLINE - 1 June 2007

### Massey University Research Fund (MURF)

Available to all academic staff of the status of Assistant Lecturer and above, who are PBRF-eligible, to support casual/temporary assistance, consumables and domestic travel to a total value of \$15,000.

DEADLINE - 2 July 2007

### Post Doctoral Fellowship (PDF)

Provides two years' funding for an appointment that will enhance a specific research programme. Researchers, who are PBRF-eligible, from all academic departments are eligible to apply.

DEADLINE - 2 July 2007

### University Technicians Award (UTA)

The Technicians Award provides a salary of up to a maximum of \$35,000 p.a. for two years to employ a technician for a specific research project.

DEADLINE - 2 July 2007

### University Research Fellowship (URF)

Provides support for senior academics, who are PBRF-eligible, to complete a particular research project. Up to \$20,000 is made to the Department/Institute/School to enable relief from some normal teaching and administrative duties.

DEADLINE - 2 July 2007

### University Research Awards (URA)

Available to Lecturers or Senior Lecturers, who are PBRF-eligible, in all Colleges except Sciences. Up to \$10,000 in casual assistance is made to the Department/Institute/School to enable relief from some normal teaching and administrative duties to complete current research.

DEADLINE - 2 July 2007

Please note: All interviews are at the discretion of the relevant interview panel and if required to attend the interviews are held 25, 26 and 27 July 2007.

### College Research Awards and Massey University Research Medal

Applications are now open for the annual College

Research Awards and Massey University Research Medal.

DEADLINE - 2 July 2007

Guidelines and application forms are available from the Research Medals web page: [http://www.massey.ac.nz/research/university-medals/university-medals\\_home.cfm](http://www.massey.ac.nz/research/university-medals/university-medals_home.cfm)

The following categories are available:

#### College Research Award - Individual

This Research Award has been established in order to recognize outstanding research contributions in each of the Colleges. One award may be granted annually in each College and will be presented at an appropriate ceremony. The winner of this award in each College will automatically be nominated for the University Research Medal, which is the highest award for research bestowed by the University (Honorary Degrees excluded). The University Medal may be awarded annually and a research grant of \$20,000 will be made.

#### College Research Award - Supervisor

This Research Award has been established to recognize and promote research excellence within each of the Colleges. One award may be granted annually with the objective of the award being to recognize staff who have an outstanding record of research supervision at the Masters or Doctoral level. It will be presented at an appropriate ceremony. The winner of this award in each College will automatically be nominated for the Massey University Research Medal - Supervisor. The University Medal may be awarded annually and a research grant of \$10,000 made.

#### College Research Award - Early Career

This Research Award has been established to recognize and promote research excellence within each of the Colleges. One award may be granted annually with the objective of the award being to recognize staff who have completed their PhDs,





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Te Kūnga ki Pūrehuroa

or equivalent, within the past seven years and who are showing research potential and leadership of the highest calibre. It will be presented at an appropriate ceremony. The winner of this award in each College will automatically be nominated for the Massey University Research Medal - Early Career. The University Medal may be awarded annually and a research grant of \$10,000.00 made.

#### **Massey University Research Medal - Team**

The Research Medal has been established in order to recognize outstanding research contributions by a team. One medal may be awarded annually to each full-time academic or research member of the team and a research grant of \$25,000 will be awarded to the team.

#### **TRAVEL FUNDING AVAILABLE**

For more information about the opportunities below, visit [www.cos.com/nz](http://www.cos.com/nz) and click "Funding Worldwide". Enter the COS Unique ID into the "All Fields" section and click "Do the Search".

#### **Paykel Trust**

##### **Travel Grants**

The Trust Board provides grants-in-aid to eligible applicants for assistance with the costs of travel relevant to their research in a health-related field. This may include (i) travel to scientific meetings; (ii) visits to research centres in other countries; (iii) short travel periods to work in overseas laboratories or undertake research training. The grants are not available for personal career advancement. Grants-in-aid for personal travel are usually in the range of \$1,000 - \$3,000 and have a current limit of \$3,000 unless exceptional circumstances apply. COS Unique ID: 91440  
DEADLINES: 1 June & 1 October 2007

#### **Paykel Trust**

##### **Conference Support Grants**

The Trust Board provides grants-in-aid for the support of scientific conferences in health-related fields organised by academic institutions or professional organisations within New Zealand. Priority will be given to conferences with an emphasis on research and research training. Conference support grants are not intended to support personal travel to attend overseas conferences. Applicants seeking such support should apply for a Paykel Trust Travel Grant. COS Unique ID: 91442  
DEADLINES: 1 June & 1 October 2007

#### **National Heart Foundation (New Zealand)**

##### **Limited Budget Grants**

The foundation awards Travel Grants to enable medical or non-medical workers to travel in New Zealand or overseas for short-term study or to attend conferences. Applications must fit within the aims of the National Heart Foundation which are "to promote good health

and to reduce suffering and premature death from diseases of the heart and circulation."

The scientific committee particularly encourages applications in the designated priority research areas of

- modification of lifestyle risk factors for cardiovascular disease,
- Māori heart health,
- Pacific Island heart health,
- socio-economic determinants of heart health, and
- diagnosis and management of patients with cardiovascular disease.

COS Unique ID: 30916

DEADLINES: 1 June & 1 October 2007

#### **HRC – Japan Society for the Promotion of Science**

##### **Exchange of Scientists and Postdoctoral Fellows**

The objective of these awards is to support the exchange of visits of New Zealand scientists to Japan and for Japanese scientists to New Zealand. The duration of the visits will depend upon the program category. There are two program categories: Scientists and Postdoctoral Fellows.

It is intended that collaborations among health and health science researchers under this program will lay the foundations for establishing cooperative research networks between Japan and New Zealand.

COS Unique ID: 102941 and 102942

DEADLINE: 15 June 2007

#### **Winston Churchill Memorial Trust**

##### **Churchill Fellowships**

Churchill Fellowships are intended for travel, typically of between three weeks and three months duration, for intensive investigative research.

The Trust helps all kinds of New Zealanders - including community workers, engineers, business people, actors, teachers, nuns, artists - to travel overseas and bring back with them new insights and understanding that will enrich their community and, ultimately, New Zealand as a whole.

COS Unique ID: 1638

DEADLINE: 31 July 2007

#### **Royal Society of New Zealand**

##### **IGAC Young Scientist Travel Award**

The Society established these awards to assist students undertaking PhD degrees at New Zealand universities to attend their first overseas scientific conference (this includes summer schools or workshops).

COS Unique ID: 97854

DEADLINE: 1 September 2007

#### **Royal Society of New Zealand**

KAREN (Kiwi Advanced Research and Education Network): Event Support and Travel Fund

The Research and Education Advanced Network New Zealand is building a next-generation telecommunications link for New Zealand educators, researchers and innovators, called KAREN (Kiwi Advanced Research and Education Network).

REANNZ has established a Capability Development Fund for KAREN. The fund contains over \$4m to be invested in capability development over the three years to June 2009.

COS Unique ID: 102845

DEADLINE: 27 October 2007

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Research Development Advisor - General Contact

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## **Scholarships and Bursaries**

<http://awards.massey.ac.nz>

A Snap-Shot of Scholarships Closing April/May 2007: full information about these scholarships and all others scholarships can be found on <http://awards.massey.ac.nz/>

## **Undergraduate**

**Maori Education Trust** - closing 27 April 2007

**Mana Taiao** - closing 30 April 2007

**Margaret Richards Bursary** - closing 30 April 2007

**Sir Robert Jones Undergraduate Scholarship in History** - closing 30 April 2007

**Sir Robert Jones Undergraduate Scholarship in Philosophy** - closing 30 April 2007

**Wellington City Council Award for Creativity and Innovation** - closing 30 April 2007

**Enterprise Scholarships** – closing 1 May 2007

**St John's Pauline Crimmins' Scholarship for Students with Epilepsy** – closing 15 May 2007

**Landcorp Farming "First Step" Bursary** – closing 30 May 2007

**Wanganui Federation of University Women Trust:**

**Wynne Costley Study Award** – closing 30 May 2007

**ZONTA Jane Klausman Award** – closing 30 May 2007

## Postgraduate

**Māori Education Trust** - closing 27 April 2007

**Mana Taiao** - closing 30 April 2007

**Margaret Richards Bursary** - closing 30 April 2007

**Natural Resource & Environmental Economics Scholarship** - closing 30 April 2007

**Palmerston North Heritage Trust Scholarship** - closing 30 April 2007

**Senate Communications Research Grants in Management Communications** - closing 30 April 2007

**Sir Robert Jones Postgraduate Scholarship in History** - closing 30 April 2007

**Terralink International Limited Scholarship** - closing 30 April 2007

**Wellington City Council Award for Creativity and Innovation** - closing 30 April 2007

**Enterprise Scholarships** – closing 1 May 2007

**New Zealand Postgraduate Study Abroad Awards** - closing 1 May 2007

**Top Achievers Doctoral Scholarships** - closing 2 May 2007

**Asia NZ - NZASIA Postgraduate Research Awards** - closing 4 May 2007

**NZ Plant Protection Society Conference Travel Grant for Students** – closing 15 May 2007

**St John's Pauline Crimmins' Scholarship for Students with Epilepsy** – closing 15 May 2007

**Golden Plover Award** – closing 30 May 2007

**Landcorp Farming "First Step" Bursary** – closing 30 May 2007

NOTICEBOARDS ARE AVAILABLE AT THE FOLLOWING LOCATIONS:  
SOCIAL SCIENCES LECTURE BLOCK FOYER,  
PALMERSTON NORTH AND IN EACH ACADEMIC UNIT

## Events

<http://events.massey.ac.nz>

### PN – Thurs 26 April

**1pm to 2pm**

School of History, Philosophy and Classics

Rachael Bell, PhD candidate

*Journey Towards Christmas: History and - National Memory in the War History Project*

Venue: MB 1.02

Contact Details: Dr Kerry Taylor

Ph: 4238

### WN – Thursday 26th April

**9am – 8pm**

*Inaugural Infant Mental Health Symposium & official launch of IMHAANZ*

The Infant Mental Health Association of Aotearoa NZ (IMHAANZ) will host the inaugural Infant Mental Health Symposium Day on April 26 in Wellington. The Symposium will also celebrate the Official Launch of IMHAANZ's establishment in New Zealand as an affiliate of The World Association for Infant Mental Health (WAIMH).

IMHAANZ is a New Zealand organisation devoted to the study and practice of infant mental health, bringing together and supporting professionals and academics from a wide range of disciplines including education, health, psychotherapy, the social services and family service provision.

Kimberley Powell, Lecturer in Early Years Education at Massey University College of Education is President of IMHAANZ and Dr Janet Gregory (formerly of the College of Education's Department of Human Health & Development) is the Association Secretary and both are helping with the organisation of the one-day Symposium.

"Our affiliation to the WAIMH is an important step as an organisation for infant-family professionals and academics in New Zealand", says Dr Powell. "WAIMH is one of the leading research and professional organisations, that provides a forum for the world's leading infant mental health experts to share research and practice innovations in the field of infancy".

The Symposium and Launch will be held on Thursday April 26, 2007 at the James Cook Hotel, Wellington. It will be a day of presentations by top New Zealand and Australian professionals and researchers in Infant Mental Health and a key networking opportunity for practitioners and policy makers working with infants and their families.

Speakers include:

- Elisabeth Muir, author of Watch, Wait and Wonder
  - Dr. Patricia Champion, Founder of the Champion Centre for Children, Christchurch
  - Beulah Warren, founder of the Australian AIMH, child psychotherapist, Brazelton trainer, and author
  - Dr. Denise Guy, Wellington Child Psychiatrist and infant mental health educator
  - Sarah Te One, Lecturer in Early Childhood Education and lead researcher for the Te Marua-Mangaroa Playcentre Supporting Parents alongside their Children's Education (SPACE) programme.
- Early Bird Registration fee is \$160 (inc GST) per

person and includes the seminar, morning and afternoon tea, lunch and the evening cocktail launch. Places are limited to 120 participants.

For more information contact Dr Kimberley Powell.

Venue: James Cook Hotel The Terrace Wellington

Contact: Dr Kimberley Powell

Ph: 06 350 5799 extn 8826

### WEB Tues 1 May – Thurs 3 May

#### Massey University Virtual Careers Fair 2007

*Virtual Careers Fair 2007*

What is the Virtual Careers Fair?

It is an opportunity to access recruitment information from a broad range of potential employers. They are keen to attract applications from Massey students and graduates – some employers seek those who are available for work now, others those who will graduate in the next year. A number have opportunities for short-term or vacation work.

Opportunities publicised through the Fair will be a mix of jobs for people with little or no relevant experience, and jobs for those with experience.

Who is it for?

All Massey students and graduates, but in particular:

- Those studying extramurally
- Internal and extramural students who cannot attend the careers expos taking place on the Palmerston North campus on 1st and 2nd May – the Virtual Fair is supplementary to these expos, not a substitute for them
- Those actively seeking their first job, to change jobs or to change career direction
- Those available for work now or in (approximately) the next twelve months

What else will the Fair offer?

At regular intervals during the Fair there will be the opportunity to 'chat' in real-time with Massey's careers staff and other students and graduates. Furthermore, you'll be able to access on-line seminars on a range of careers topics.

Crucially, you'll also be able to create a brief 'on-line' profile where you can outline your skills, knowledge and experience together with details of the type of work that you are seeking. You can grant permission for this to be accessed by employers that you're interested in, who may then contact you directly for more information. That way, you'll be letting employers know that you are keen to work for them and have the chance to make a good first impression.

I'm interested – what do I need to do?

Complete and submit a registration form and an optional Profile. During the Fair itself you can search a database of participating employers by sector; type of vacancy; location and other factors and can indicate which, if any, participating employers you'd like to be able to access your profile. You can also create versions of your Profile to suit particular vacancies and employers.

To register go to: <http://virtualcareersfair.massey.ac.nz>

Venue: Web-based

Contact: John Ross

Ph: 06 350 5935



**AK – Wed 2 May****1am – 11am***Fulbright New Zealand Outreach Tour*

Fulbright New Zealand's educational advising team are visiting Massey University's Albany campus as part of their annual Outreach Tour to inform students and staff about options for studying, researching and teaching in the United States of America.

Come along to hear unbiased, current and comprehensive information on educational opportunities in the US and an introduction to the Fulbright programme's range of awards to help you get there. <http://www.fulbright.org.nz>

Venue: Staff Lounge, Study Centre Building, Gate 1, East Precinct, Albany Expressway.

Contact: Andy Mitchell

Ph: 04 494 1502

**PN – Thurs 3 May****9am – 3pm***Food Technology Big Day Out*

An opportunity for senior school students to visit selected food companies, see how they operate, and talk to Food Technologists.

Places are limited and registrations required by Tues 24 April 2007 to:

Brent Costley, Student Liaison Adviser

Venue: Institute of Food, Nutrition and Human Health, Meet in Atrium, Riddet complex, Turitea Campus, Palmerston North

Contact: Brent Costley

Ph: 06 350 5938

**PN – Wed 3 May****1pm – 2pm***School of History, Philosophy and Classics*

Gideon Brough, PhD candidate

A brief discussion of Welsh national identity in the medieval period

Venue: MB 1.02

Contact: Dr Gina Salapata

Ph: 7273

**If you wish to register an event please use the online events submission form at <http://events.massey.ac.nz>. For other event enquiries please contact a campus events coordinator or email [events-admin@massey.ac.nz](mailto:events-admin@massey.ac.nz).**

## General Notices

[editor@massey.ac.nz](mailto:editor@massey.ac.nz)

**Qualification Reviews**

This notice is to invite submissions as part of the 2007 College of Education qualification reviews. The qualifications to be reviewed and closing dates for submissions are:

Graduate Diploma in Education/Postgraduate Certificate in Education/Postgraduate Diploma in Education, July 31

Graduate Diploma of Teaching (Primary), June 06  
Te Aho Tatairangi, August 28

Certificate in Human Development September 18

These reviews aim to provide an opportunity for the University to continually enhance and improve its qualifications.

A panel of experts, internal and external, national and international will be brought together to conduct each review and consider relevant documentation provided by the university as well as oral and written submissions.

Should you have any queries on any matter relating to these qualification reviews, including making a submission please contact:

Pat Hickson, Project Administrator, College of Education, Email [p.hickson@massey.ac.nz](mailto:p.hickson@massey.ac.nz)

## People in the news

Communications and marketing staff monitor news and media outlets, but appreciate notification from staff of their media contributions/achievements.

Please email [editor@massey.ac.nz](mailto:editor@massey.ac.nz) with your contribution so that it may be included in Massey News.

## Massey News Online

If you want to read the latest in news from Massey University, complete with colour pictures and video clips, or if you want to sign up for one of an expanding range of e-mail newsletters, visit us online.

**@Massey National**

A fortnightly newsletter with the latest in news and research from the University's three campuses in Auckland, Wellington and Palmerston North.

**@Massey Manawatu**

A fortnightly newsletter providing news of interest to the Manawatu community, including cover of events and activities at the Palmerston North campus, as well as wider University news.

**@Massey Business**

A quarterly newsletter providing a snapshot of business news of value to the business community, from across the University.

**@Massey Arts**

A quarterly newsletter providing news of events and activities in design, fine arts and music, of particular interest to the Wellington arts community.

See for yourself what makes *Massey News* one of New Zealand's most popular news sites.

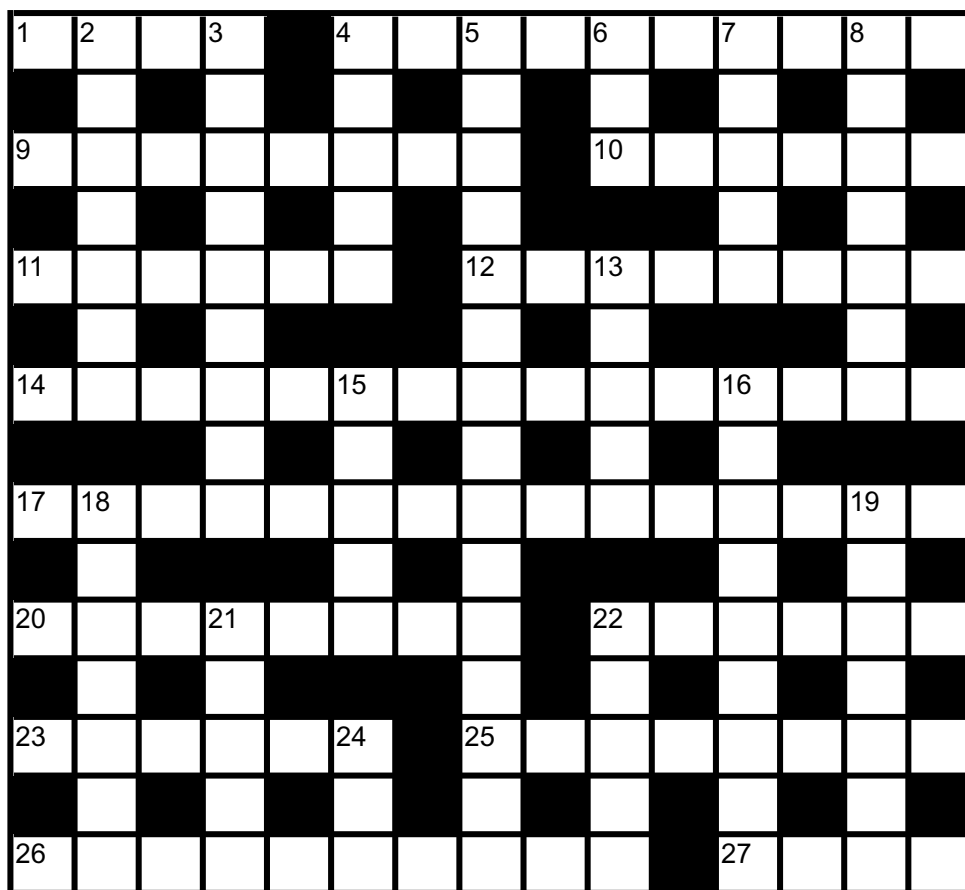
<http://news.massey.ac.nz>

## Submission of notices and events:

Submission of event notices should be made through the events website: <http://events.massey.ac.nz> by 12 noon Monday prior to publication.

All general notices should be sent to the editor [editor@massey.ac.nz](mailto:editor@massey.ac.nz)

Next deadline: Monday 23 April 2007

**Across**

- 1 Sore causing blackleg. (4)  
 4 Lighter material. (10)  
 9 Source of energy is the first requirement for a driver. (8)  
 10 Reward ourselves for enthusiasm. (6)  
 11 Will suit gardeners, for example. (6)  
 12 Line is so presented, with considerable glibness. (8)  
 14 Large, and imposing kid, seen further down the tree. (5-10)  
 17 If you went to Belize, you went here long ago. (7, 8)  
 20 A true lavatory. (8)  
 22 An honour, to some extent. (6)  
 23 Avoids sticks. (6)  
 25 Appeared to be late from France, so stopped. (8)  
 26 This builder is a good old chook. (10)  
 27 Holds the glass near the stomach. (4)

**Down**

- 2 This will bring down a tree or even a flier. (7)  
 3 Giving an air of a vast company. (9)  
 4 Makes money. (5)  
 5 Party time, on Waitangi Day, perhaps. (15)  
 6 The one place to graze. (3)  
 7 Expend the scope of study in the Caribbean. (5)  
 8 Advice from a lawyer. (7)  
 13 Charged boy with directions. (5)  
 15 Liking for wind has nothing on this. (5)  
 16 Figure how to get the time. (9)  
 18 Provides power about the player. (7)  
 19 Do not discover as many wrinkles, forever. (7)  
 21 Disorder found in pakeha vocabulary. (5)  
 22 Made correlation with furniture. (5)  
 24 The Spanish rise to star. (3)

**No. 1 Solution**

T	H	I	C	K	N	E	S	S	J	U	N	T	A
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**23 Paenga-whāwhā 2007 - Issue 3**

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**Notices:** All notices should be sent to  
 editor@massey.ac.nz by Monday prior  
 to publication.

Event notices should be submitted to  
 the web - <http://events.massey.ac.nz>  
 and classifieds to  
<http://ads.massey.ac.nz> (please note  
 that classified advertisements are a  
 service for University staff. These are  
 not published in the print edition of  
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 contact the editor.

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Above: Food technology graduates Margaret McClintock, Alexandra Sadvnikova, Songxin Zhao and Melanie Puga.



Left: PhD in Mathematics, Heung (Fred) Lam with his wife Katherine and daughter Flora.

# Graduation Auckland

Right: Aaron Ngawaka (Bachelor of Education) with his daughter Chakhan (left) his mother, Hinepuia and daughter Aretha (front).

Far right: Pacific island extramural student, Merina Tagaloa received her Postgraduate Diploma in Education. She works for the Ministry of Health and is carrying on to study for her Masters degree.

